

FIG. 2

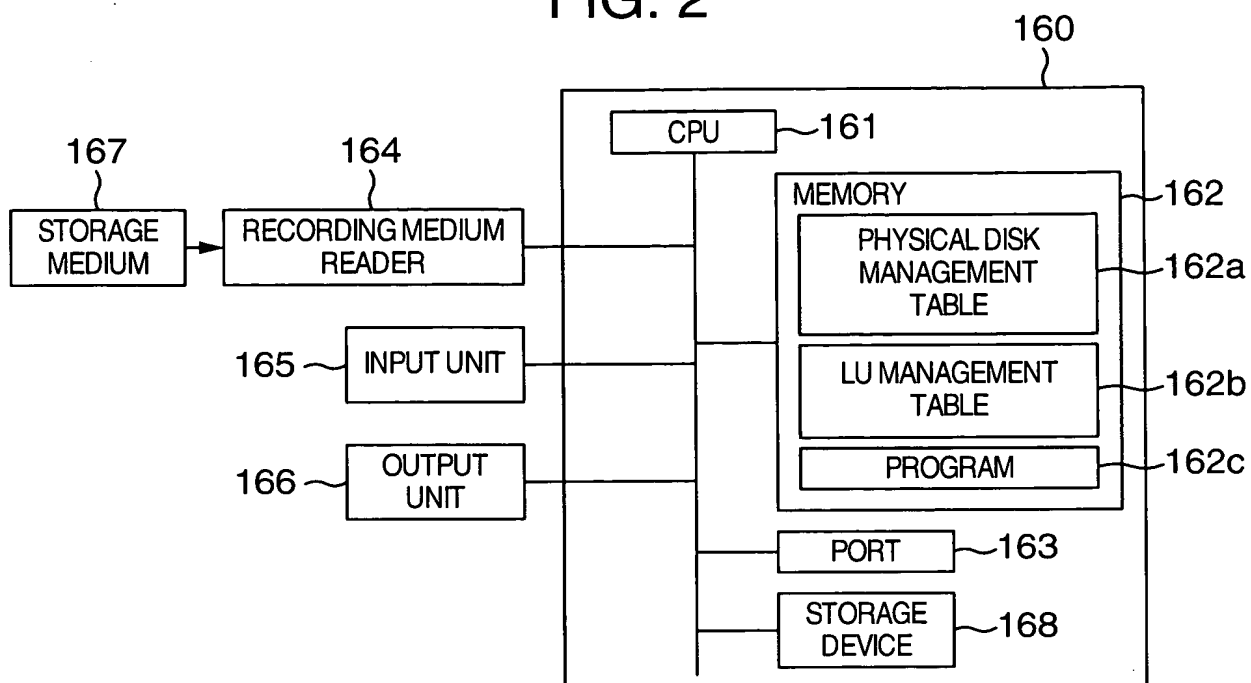


FIG. 3

162a

PHYSICAL DISK MANAGEMENT TABLE

DISK NUMBER	VOLUME	RAID	USING STATE
#001	100GB	5	USED
#002	100GB	5	USED
#003	100GB	5	USED
#004	100GB	5	USED
#005	100GB	5	USED
#006	50GB	—	NOT USED
⋮	⋮	⋮	⋮

FIG. 4

162b

LU MANAGEMENT TABLE

LU NUMBER	PHYSICAL DISK	VOLUME	RAID
#1	#001,#002,#003,#004,#005	100GB	5
#2	#001,#002,#003,#004,#005	300GB	5
#3	#006,#007	200GB	1
⋮	⋮	⋮	⋮

FIG. 5

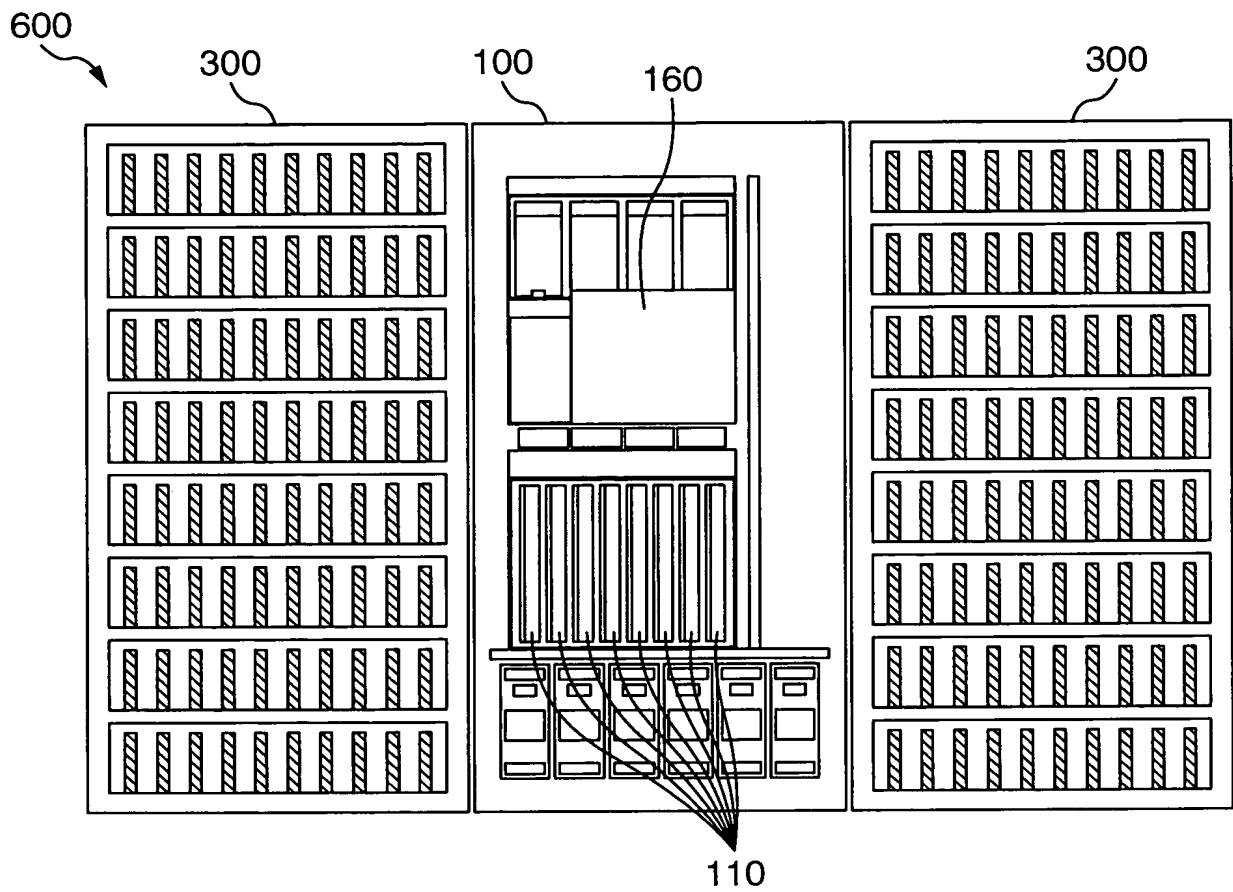


FIG. 6

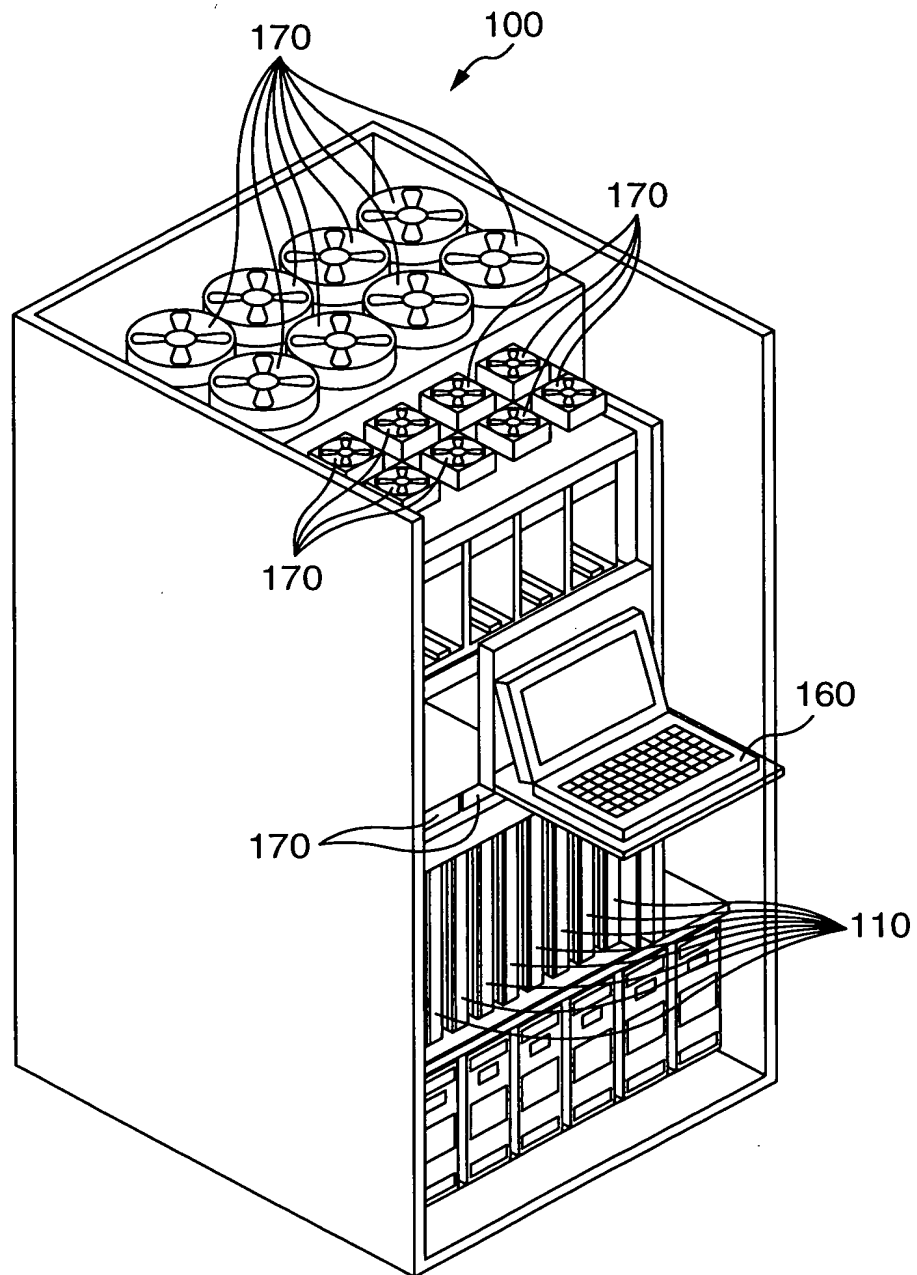


FIG. 7

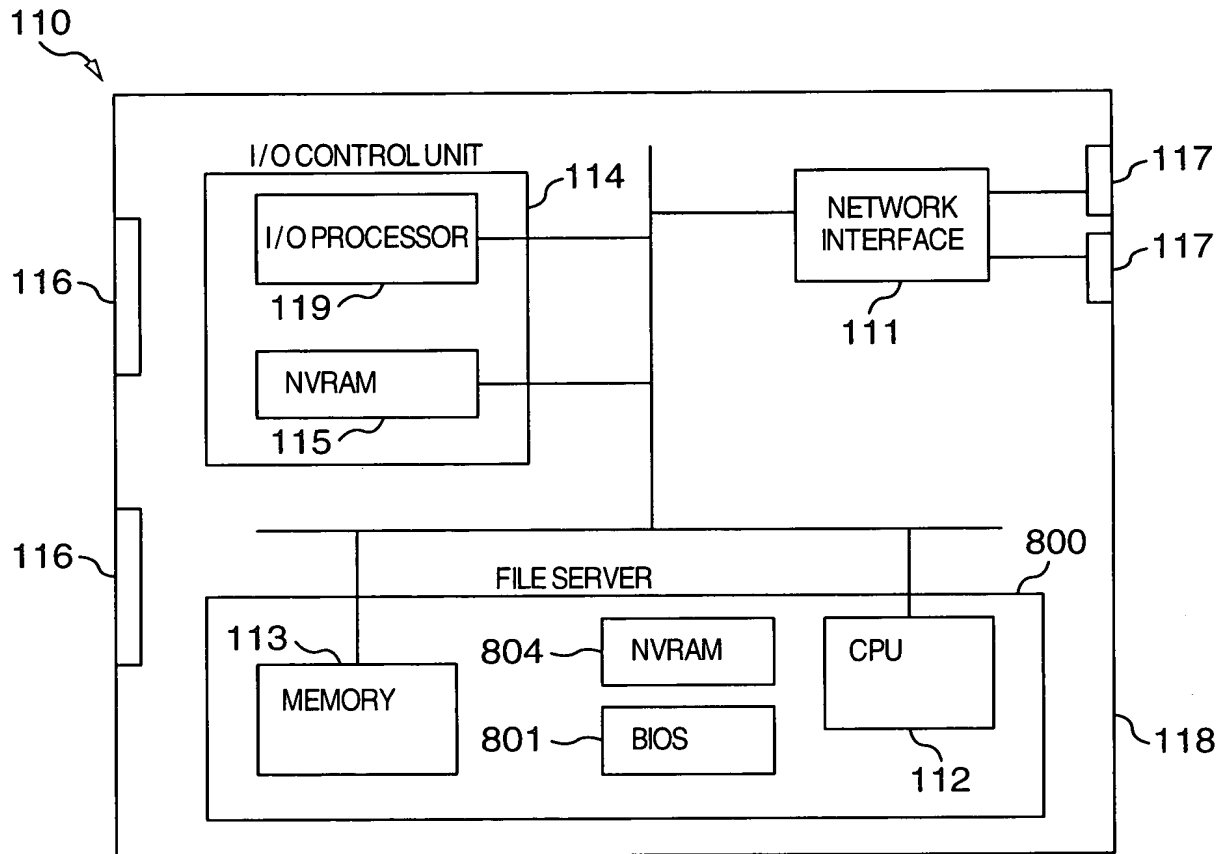


FIG. 8

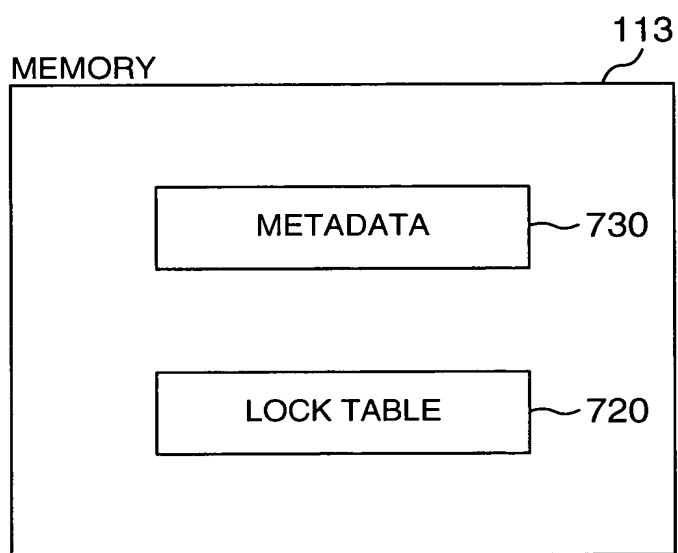


FIG. 9

730

METADATA

FILE NAME	HEAD ADDRESS	VOLUME	OWNER	UPDATE TIME
A	7BSA	200MB	X	0:00
B	05BF	50MB	X	7:57
C	1F30	100MB	Y	9:15
D	470B	100MB	Z	15:20
⋮	⋮	⋮	⋮	⋮

FIG. 10A

721

FILE LOCK TABLE

FILE NAME	LOCKING STATE
A	LOCKED
B	—
C	—
D	LOCKED
⋮	⋮

FIG. 10B

722

LU LOCK TABLE

LU	LOCKING STATE
SHARED	—
1	LOCKED
2	—
⋮	⋮

FIG. 11

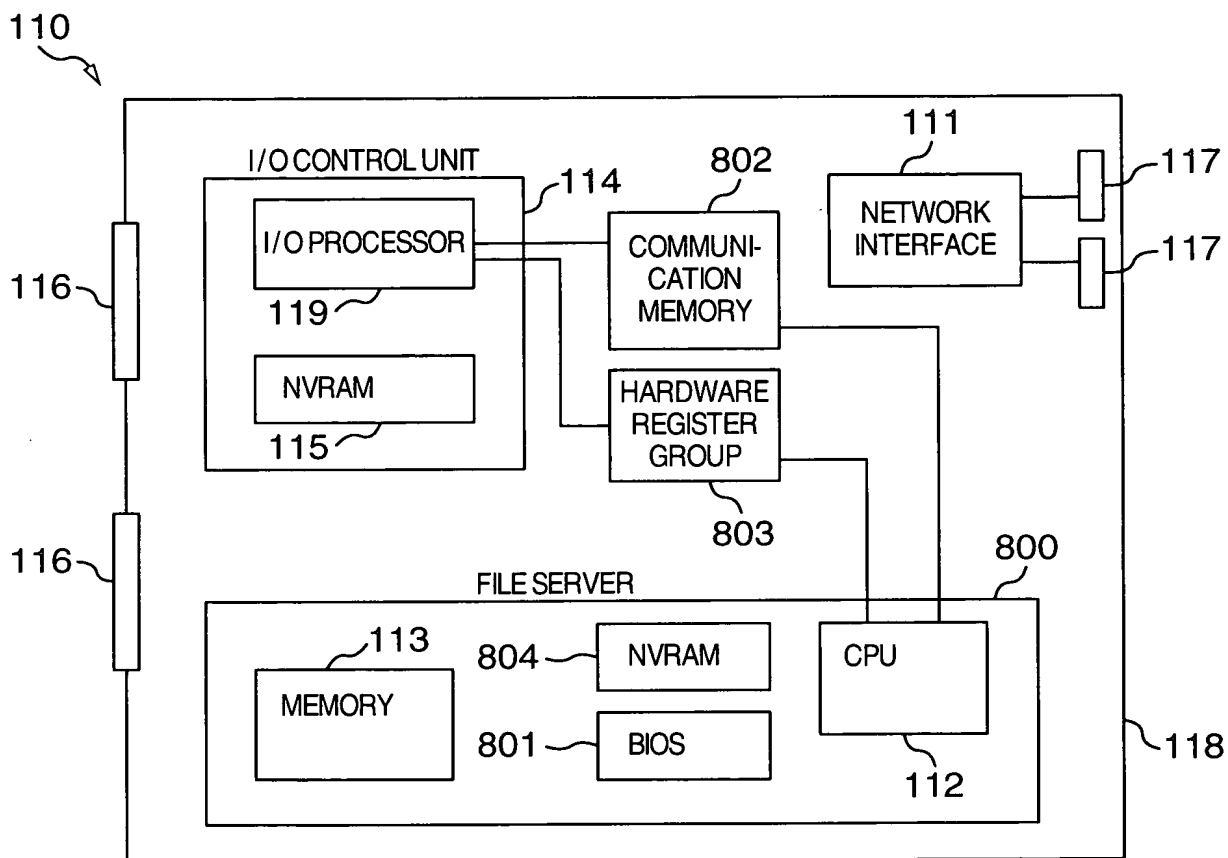


FIG. 12

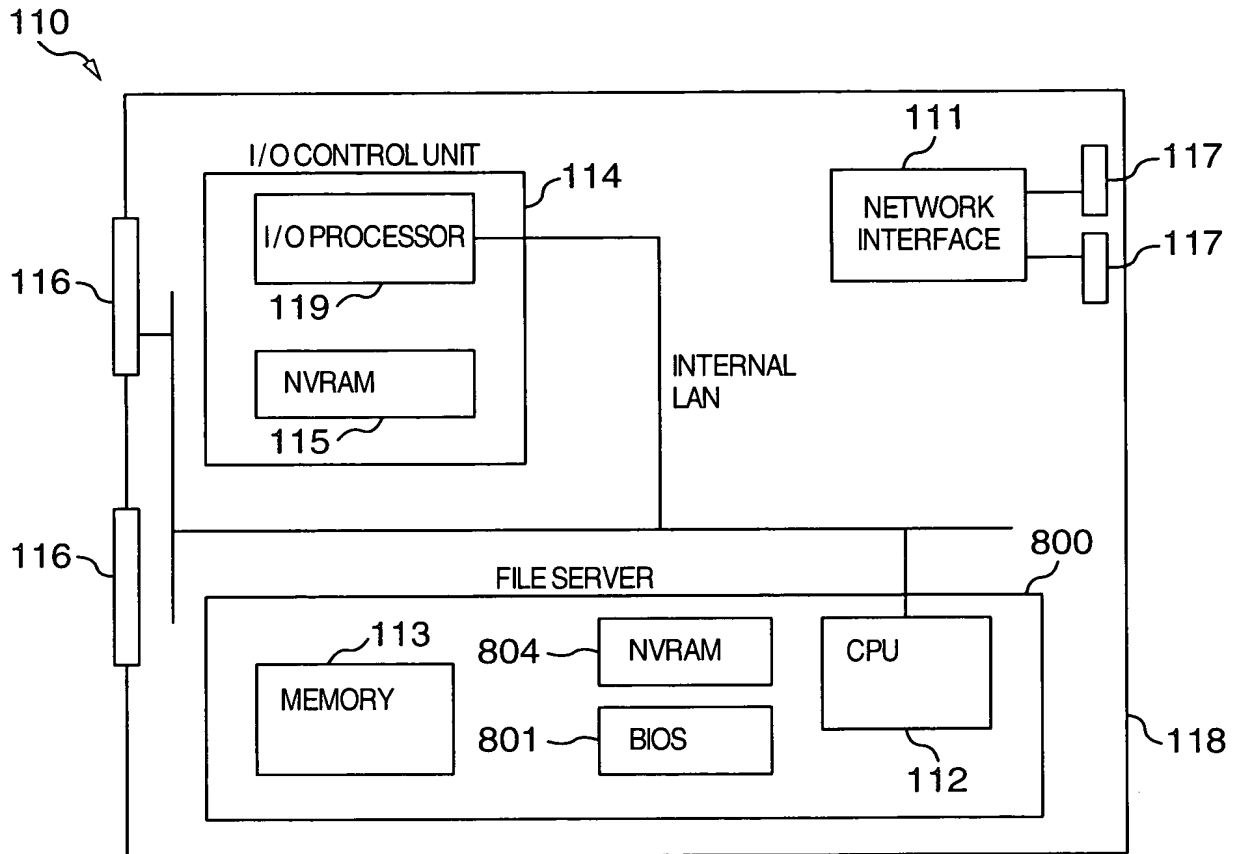


FIG. 13

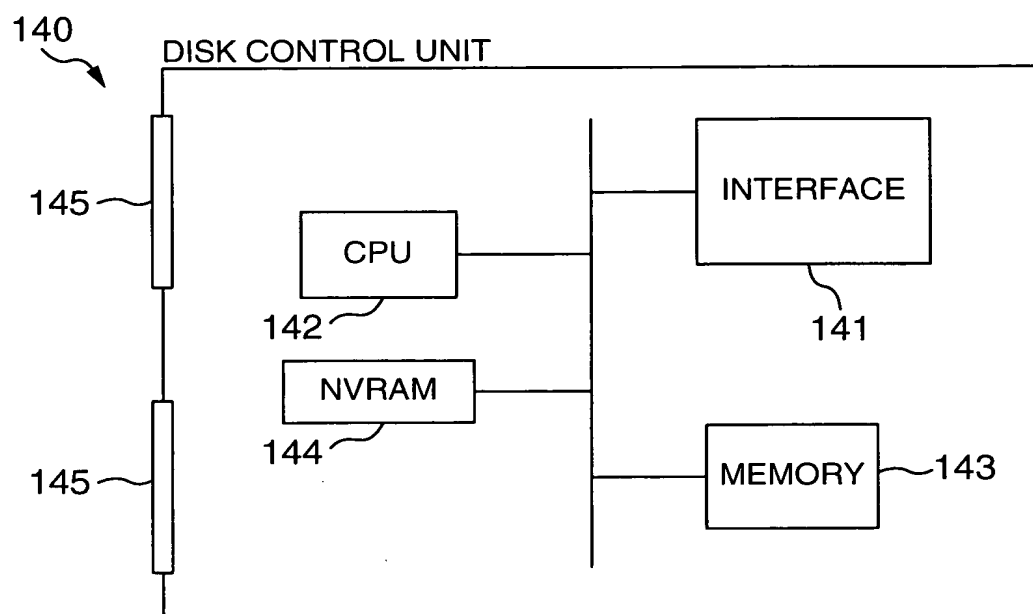


FIG. 14

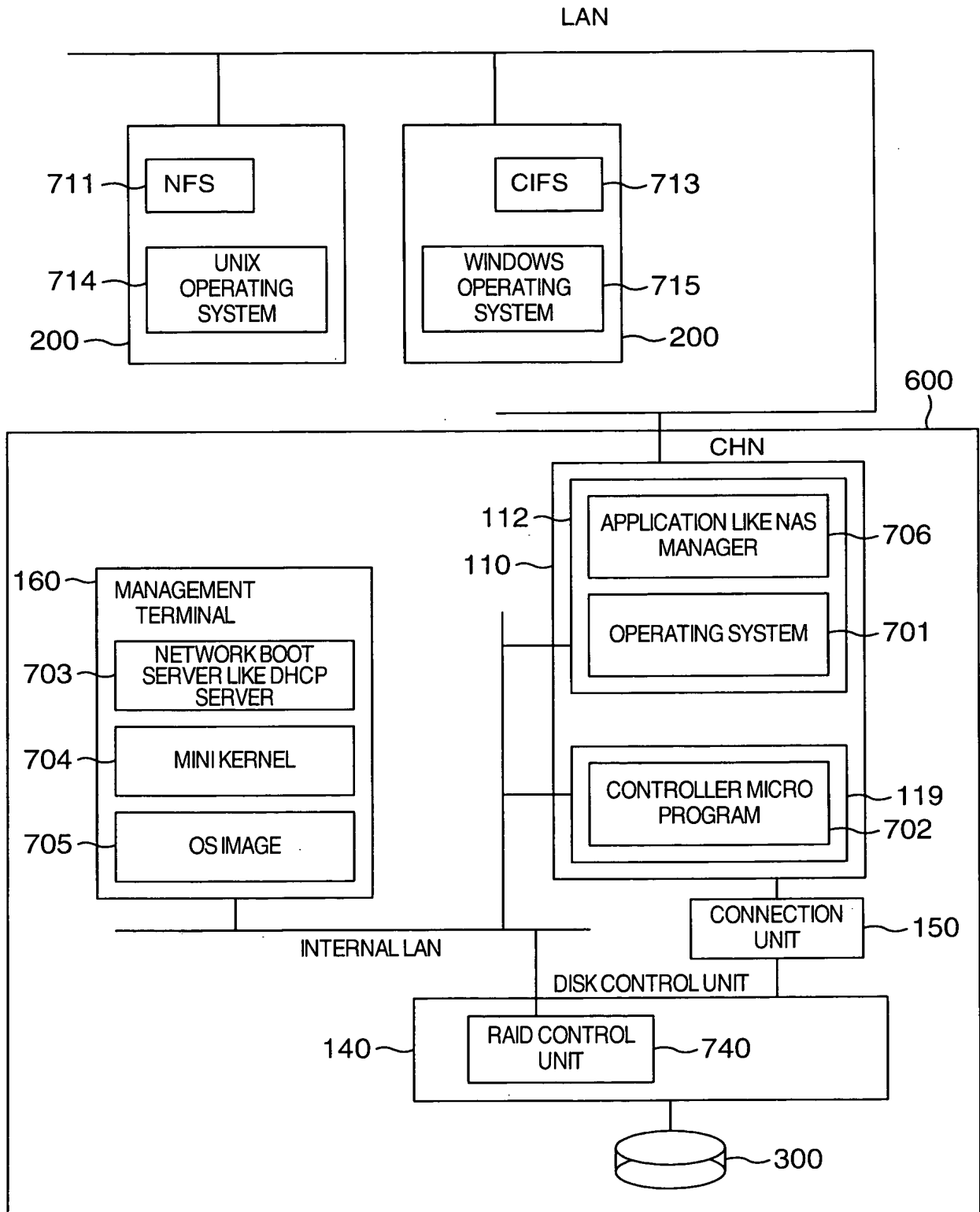


FIG. 15

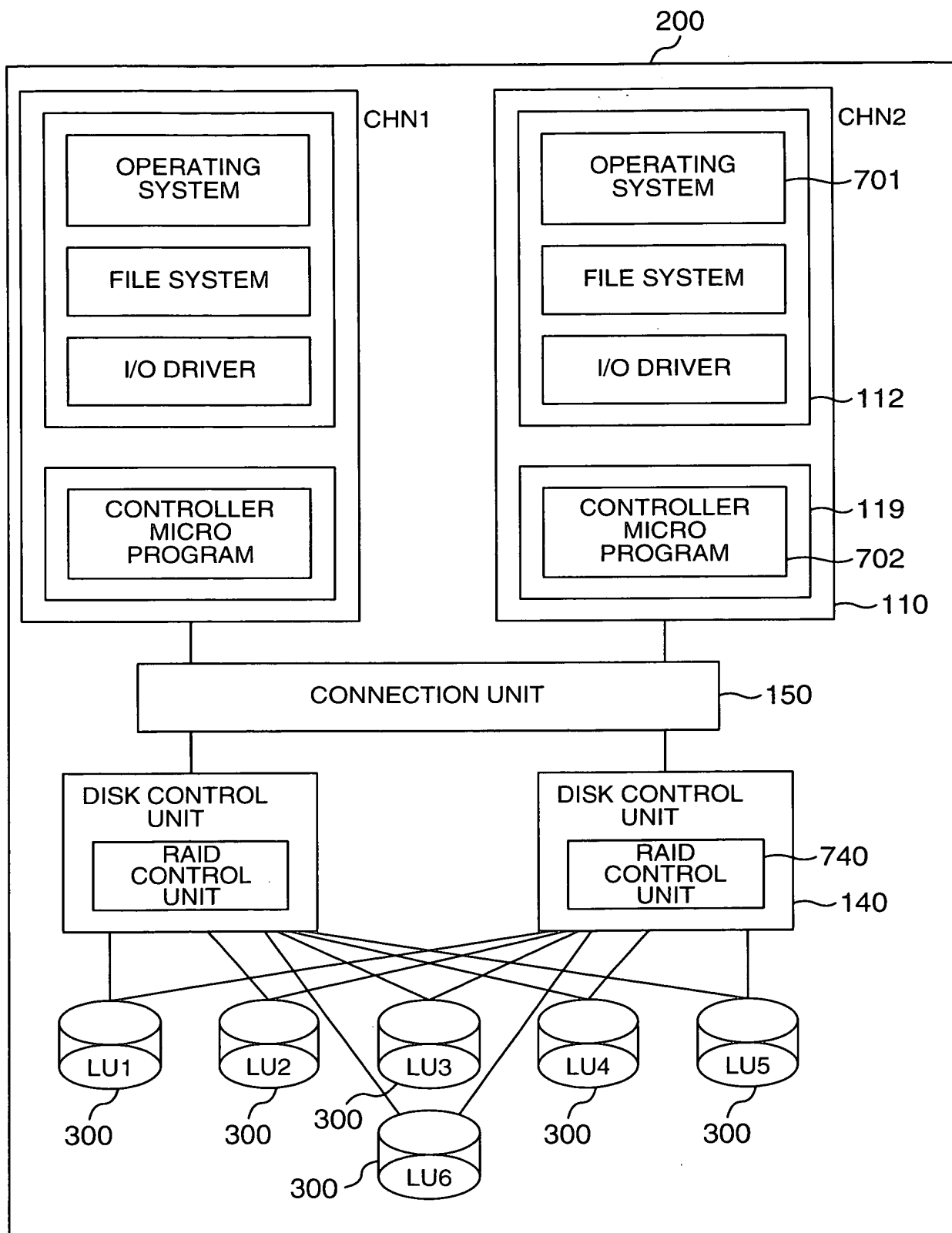


FIG. 16

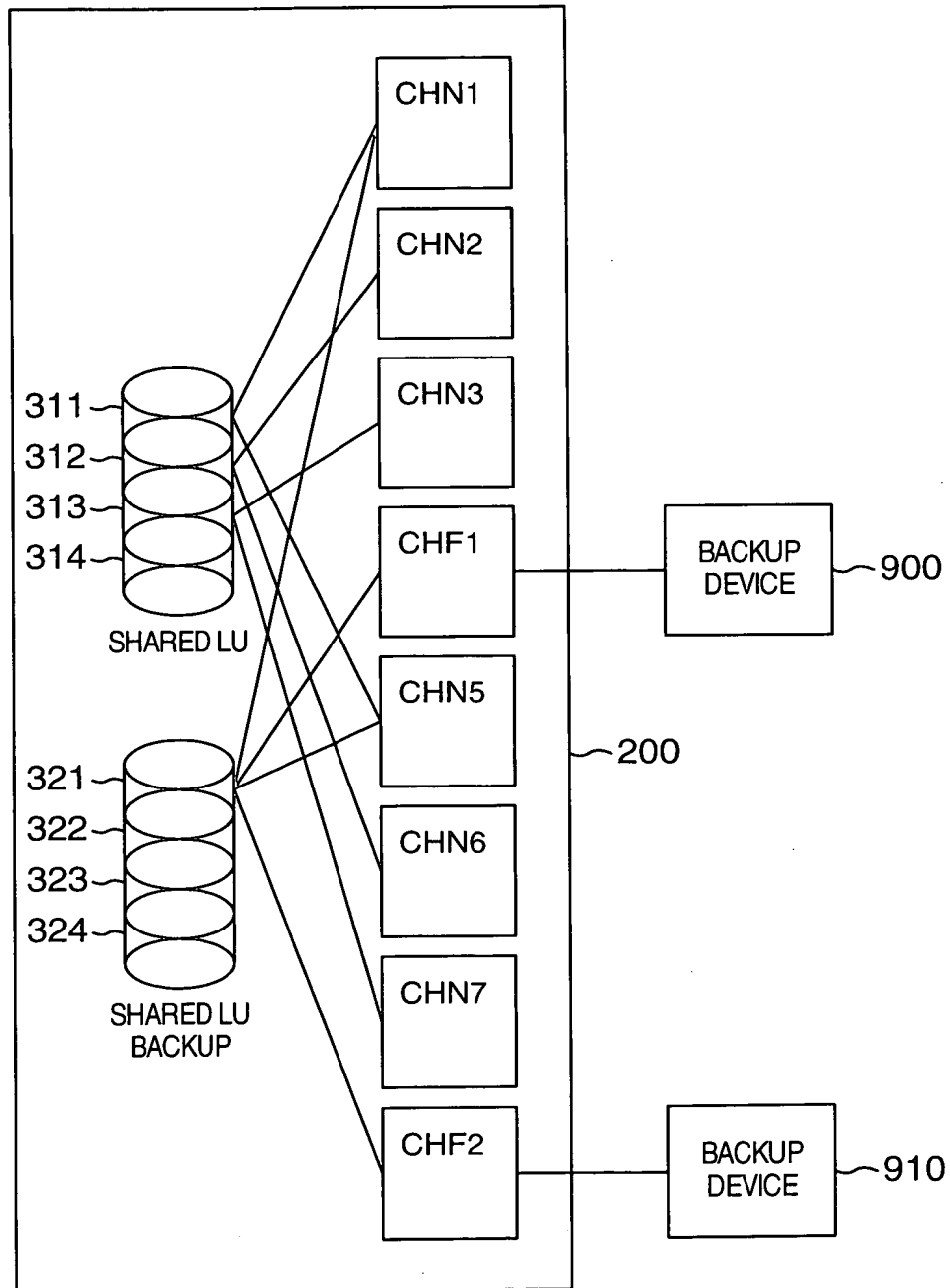


FIG. 17

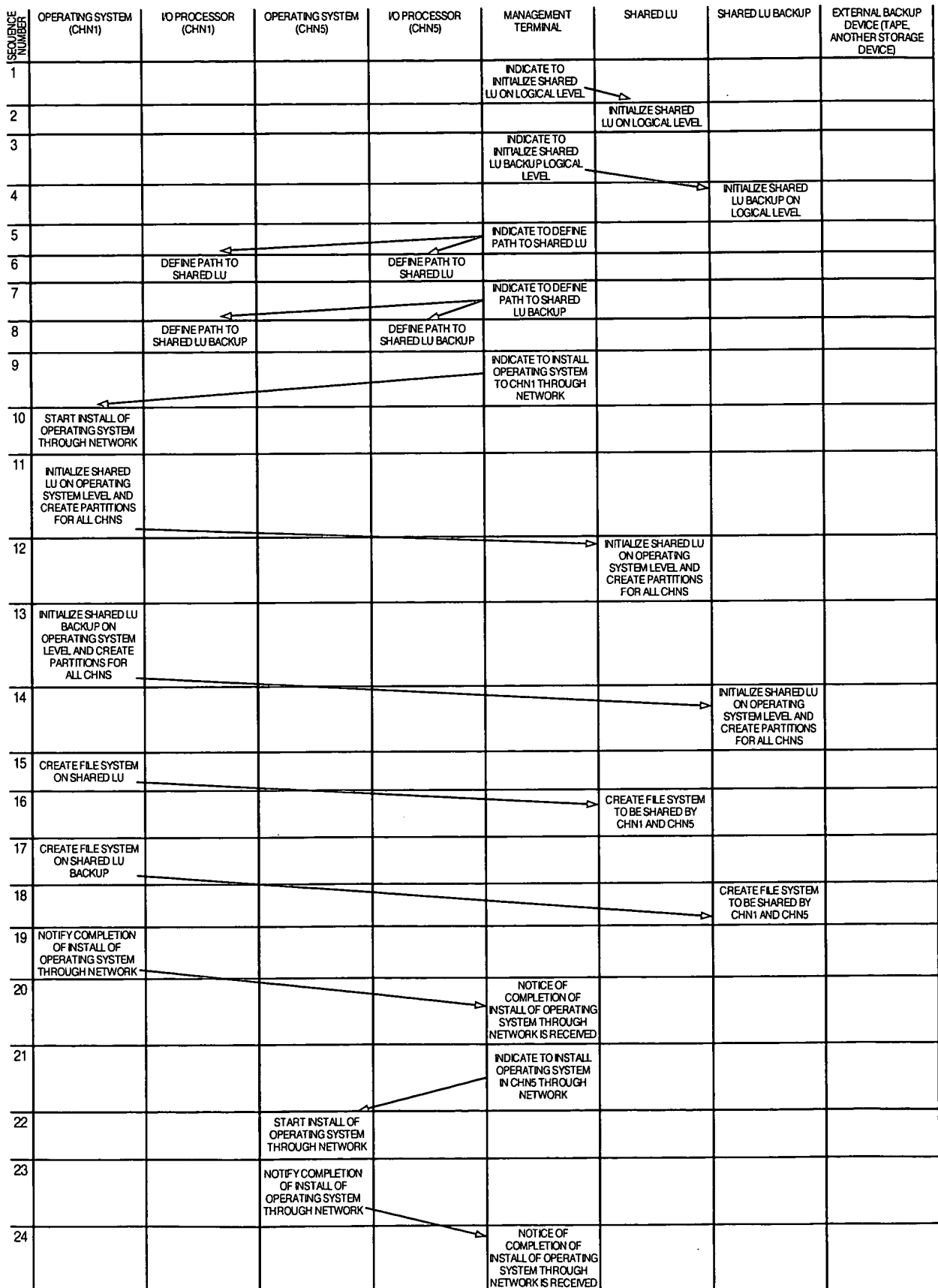


FIG. 18

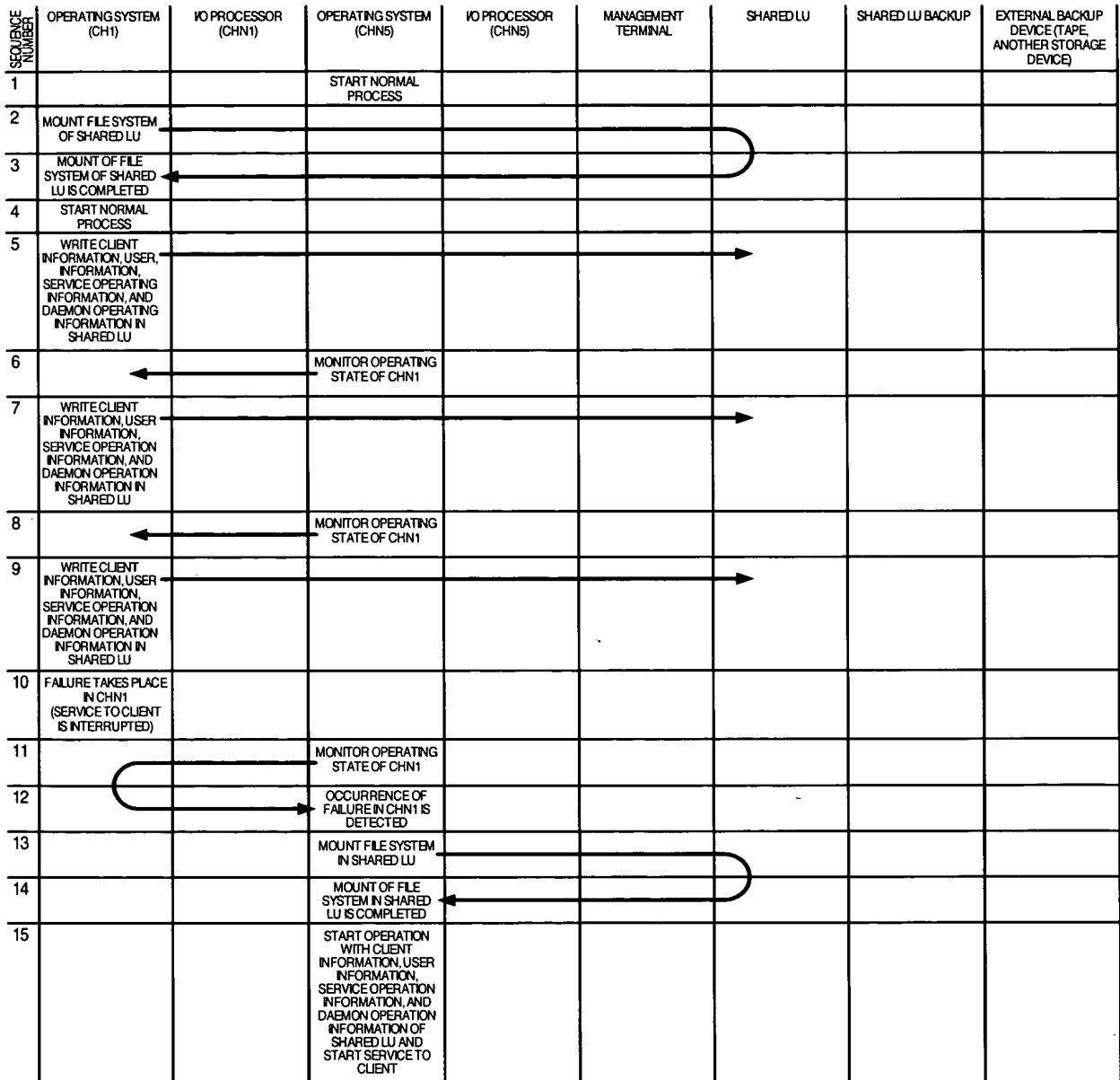


FIG. 19

